

FIG. 1

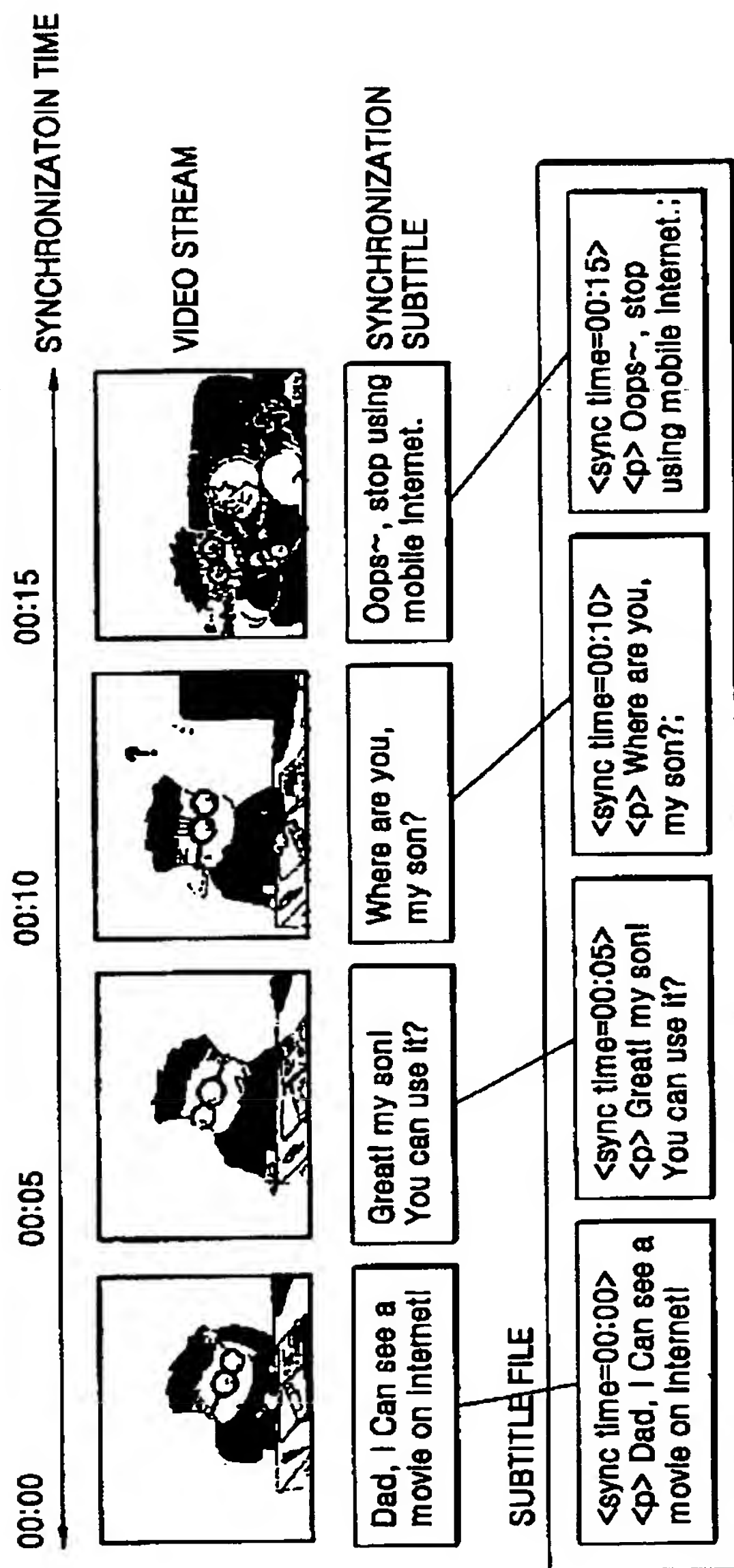


FIG. 2

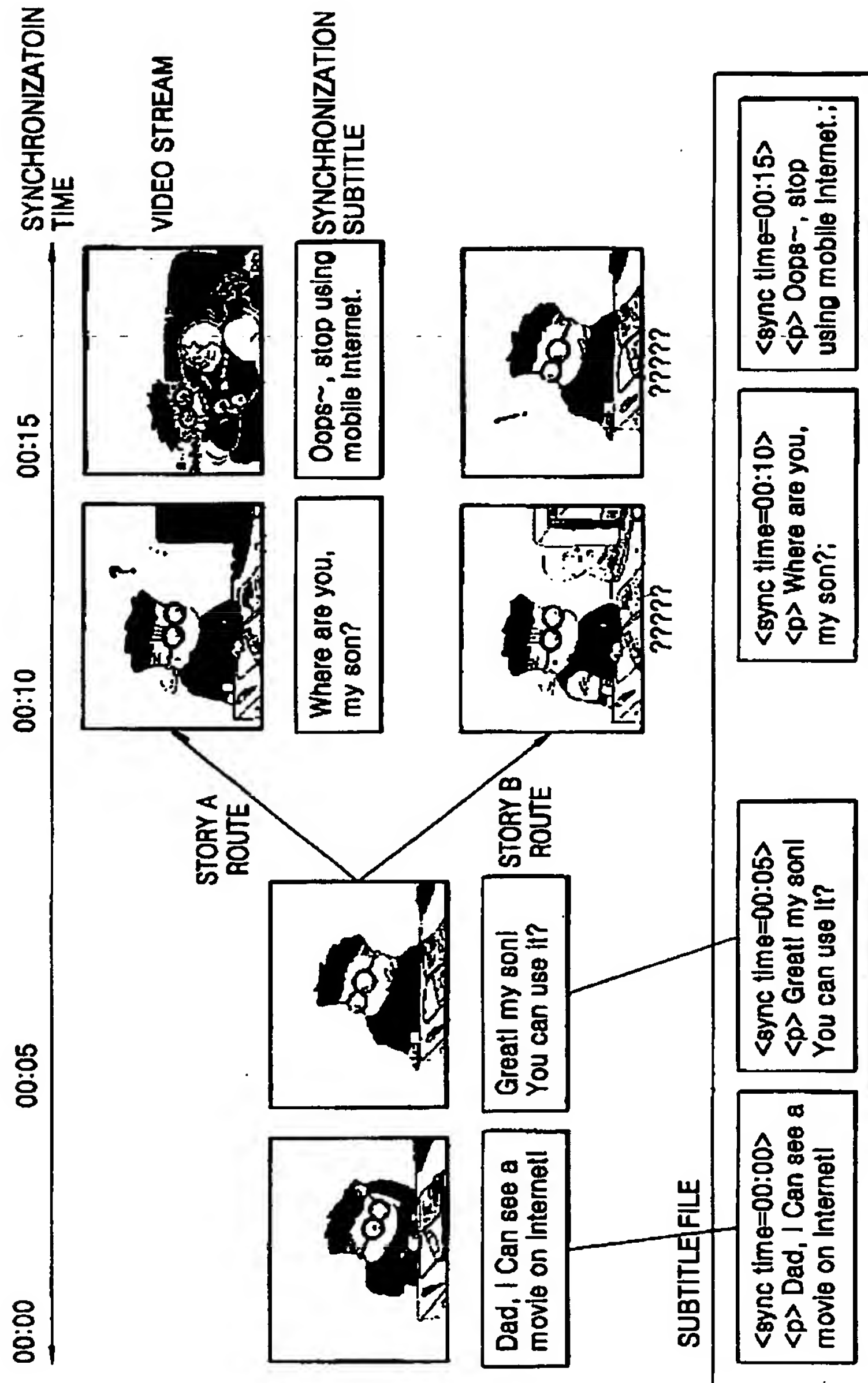


FIG. 3

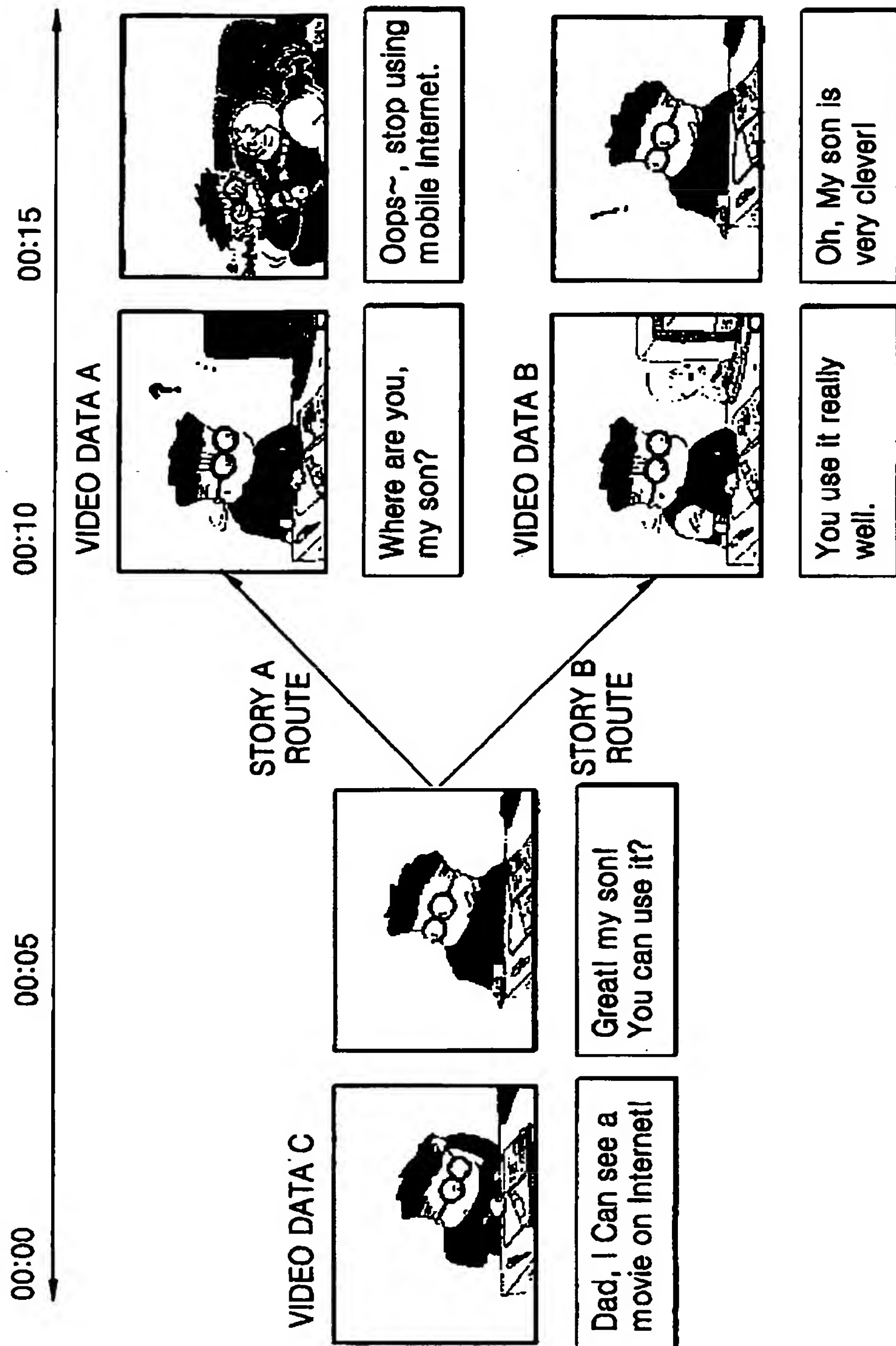


FIG. 4

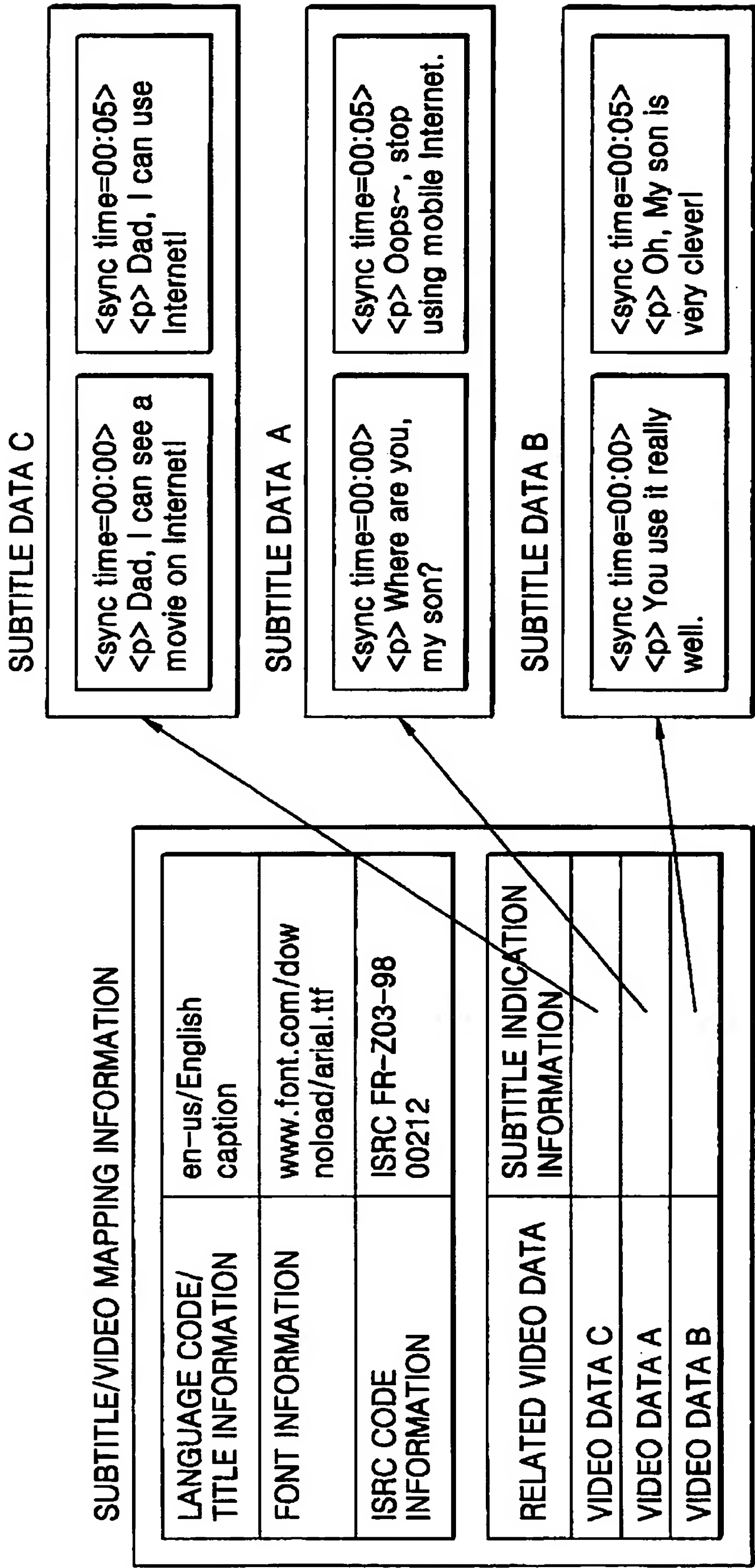


FIG. 5

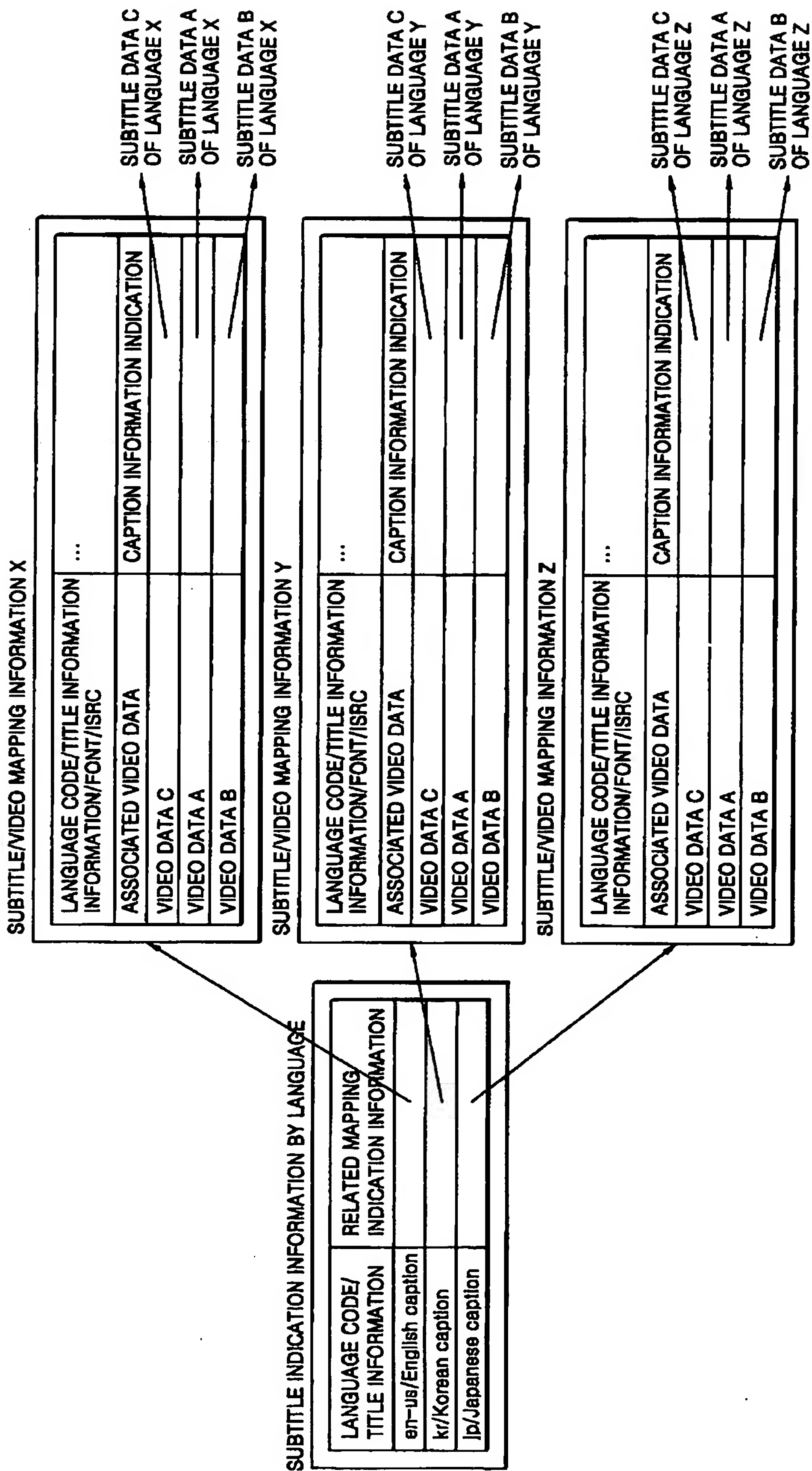


FIG. 6

SUBTITLE DATA

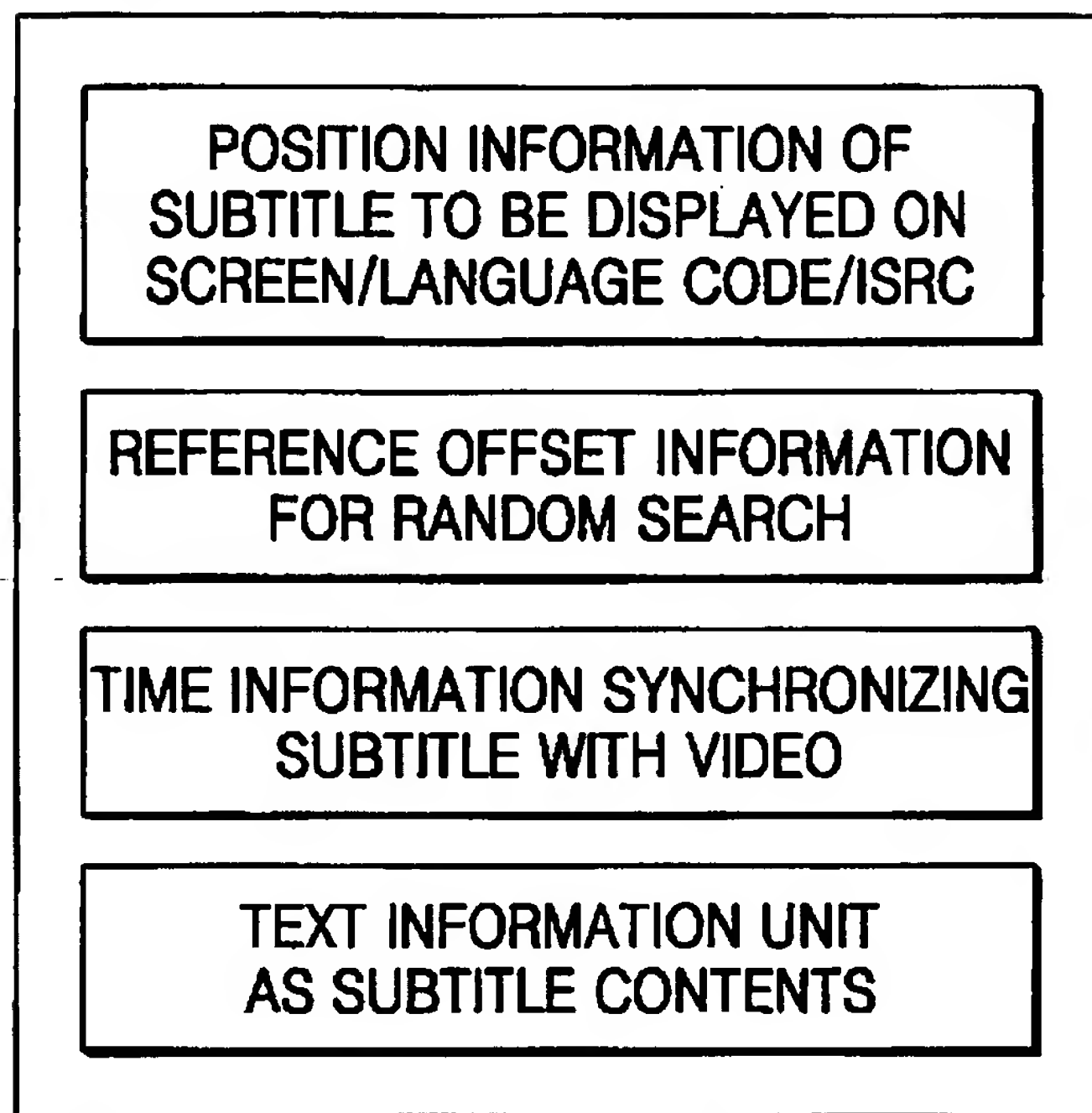
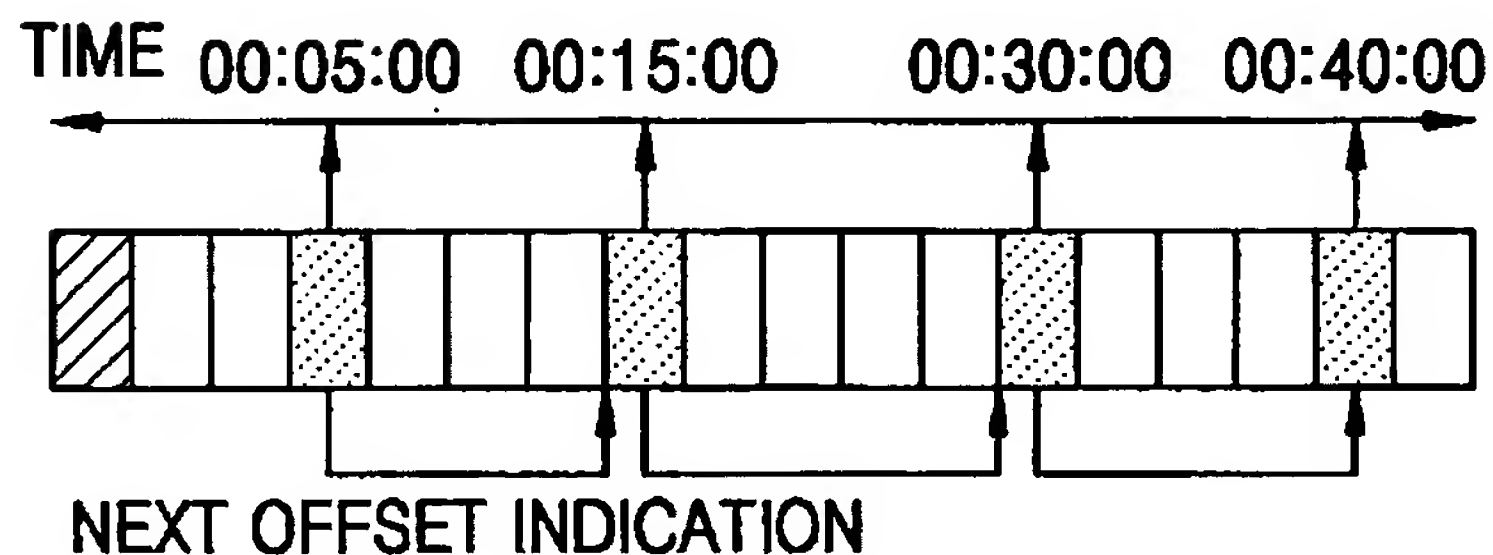


FIG. 7




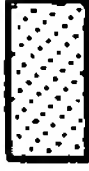

-  POSITION INFORMATION OF SUBTITLE TO BE DISPLAYED ON SCREEN/LANGUAGE CODE/ISRC
-  REFERENCE OFFSET INFORMATION FOR BEGINNING TO DISPLAY SUBTITLE
-  TIME INFORMATION SYNCHRONIZING SUBTITLE WITH VIDEO/TEXT INFORMATION UNIT AS SUBTITLE CONTENTS

FIG. 8

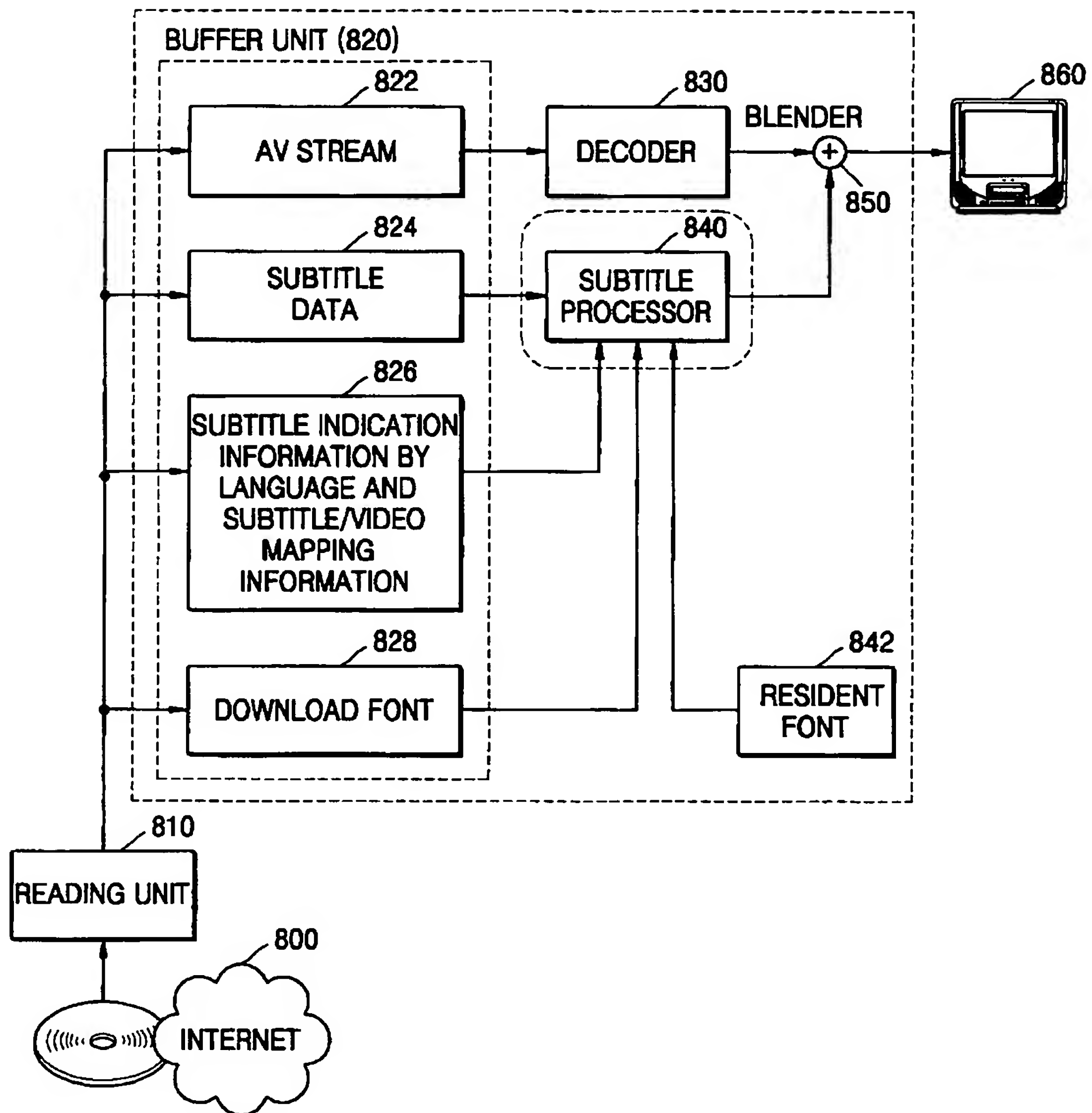


FIG. 9

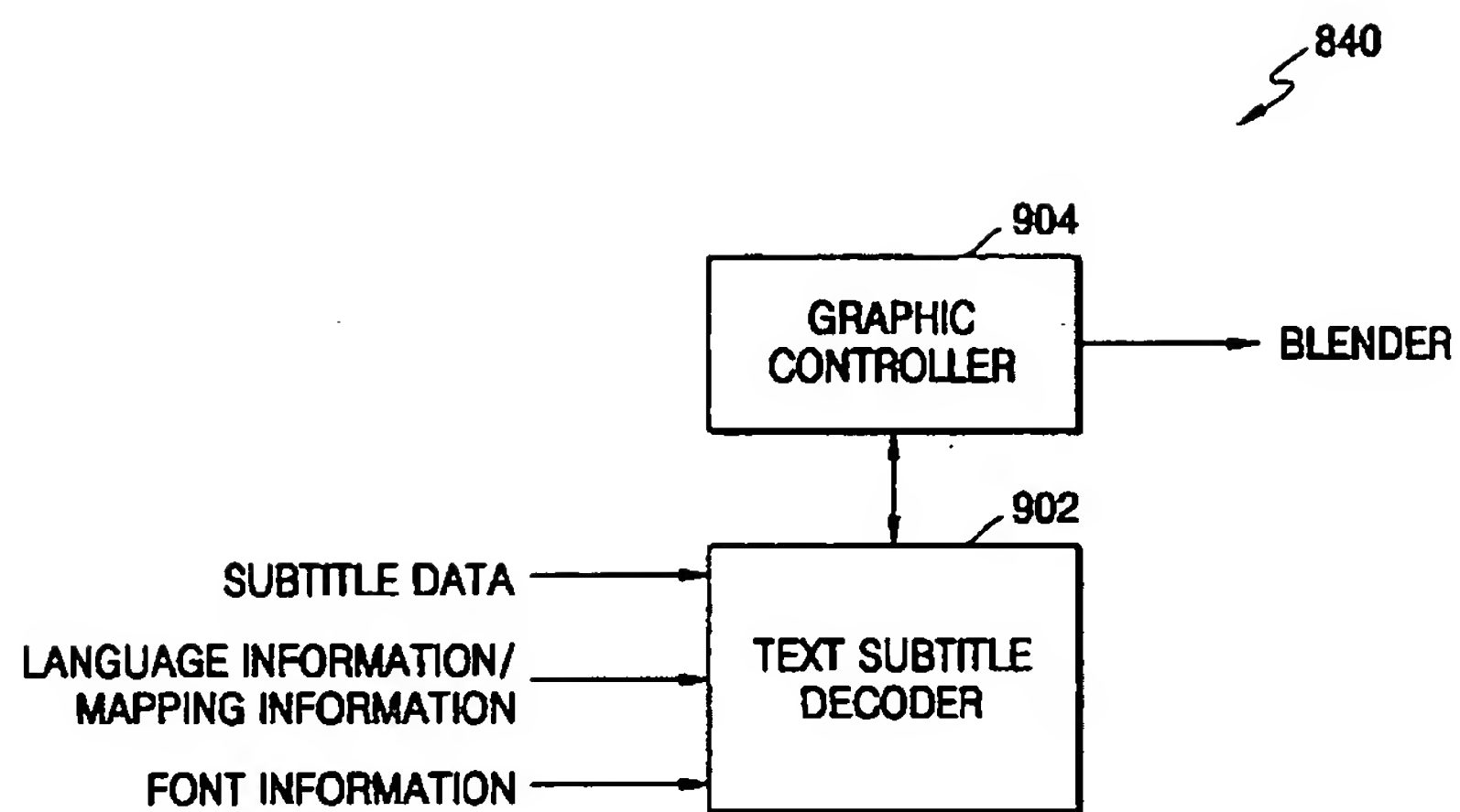


FIG. 10

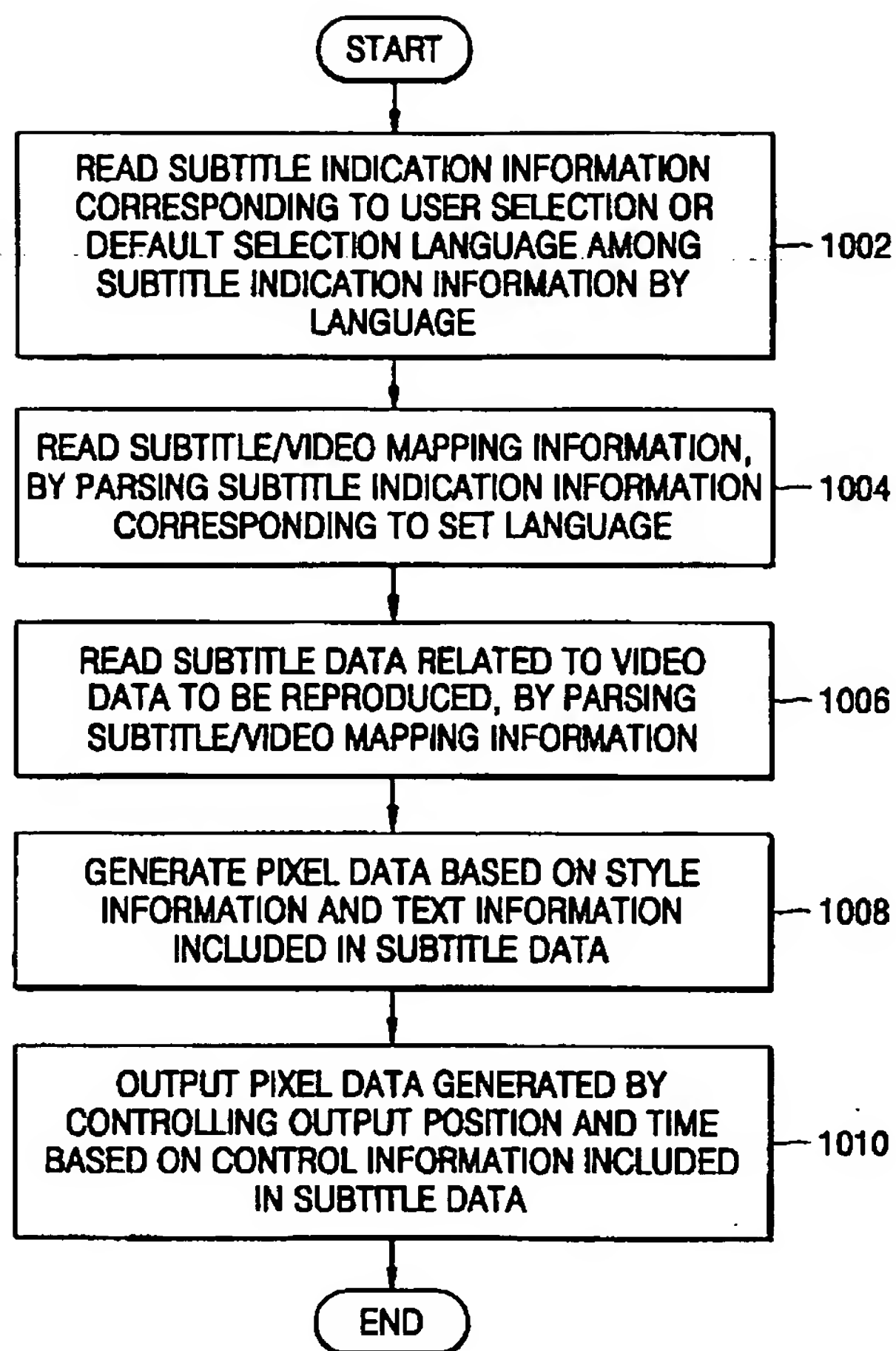


FIG. 11

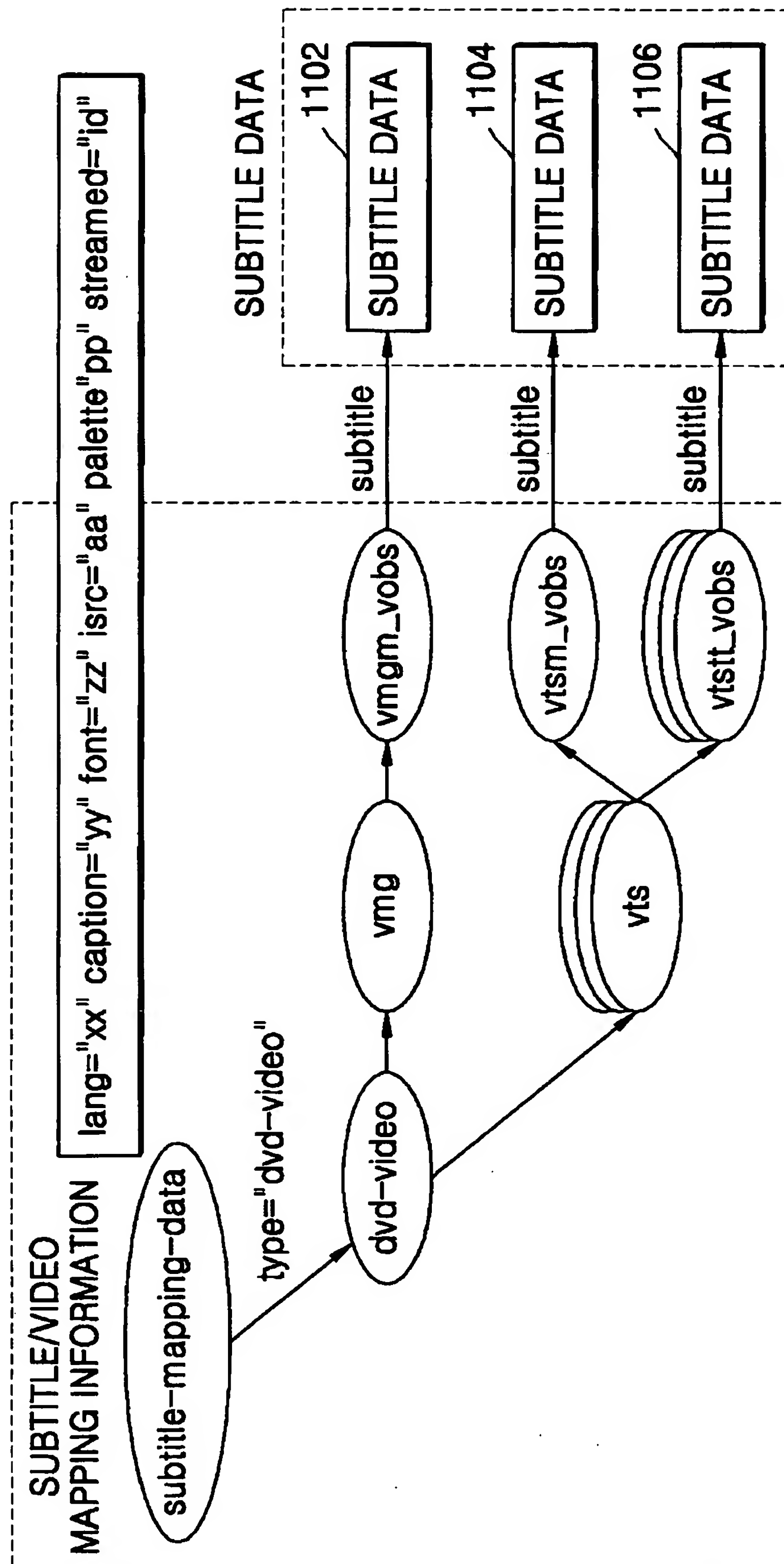


FIG. 12

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<subtitle-mapping-data type="dvd-video" lang="en-us" caption="English" caption"
font="http://www.font.com/download/arial.ttf" isrc=" ISRC FR-Z03-98-00212"
streamid="32">
<dvd-video>
<palette>
    <color index="0" yuv="296ef0" />
    <color index="1" yuv="108080" />
    <color index="2" yuv="3b8080" />
    <color index="3" yuv="668080" />
    <color index="4" yuv="918080" />
    <color index="5" yuv="bc8080" />
    <color index="6" yuv="eb8080" />
    <color index="7" yuv="108080" />
    <color index="8" yuv="108080" />
    <color index="9" yuv="108080" />
    <color index="10" yuv="108080" />
    <color index="11" yuv="108080" />
    <color index="12" yuv="108080" />
    <color index="13" yuv="108080" />
    <color index="14" yuv="108080" />
    <color index="15" yuv="108080" />
</palette>
<vmg>
    <vmgm_vobs>
        <subtitle vob_idn="1" href="file://english_vmgm.text" /> — 1202
    </vmgm_vobs>
</vmg>
<vts idn="1">
    <vtsm_vobs>
        <subtitle vob_idn="1" href="file://english_vtsm.text" /> — 1204
    </vtsm_vobs>
    <vtstt_vobs>
        <subtitle vob_idn="1-9" href="file://english_tt1vob1.text" />
        <subtitle vob_idn="10-49" href="file://english_tt1vob10.text" />
        <subtitle vob_idn="50-100" href="file://english_tt1vob50.text" /> } 1206
    </vtstt_vobs>
</vts>
</dvd-video>
</subtitle-mapping-data>

```

FIG. 13

LANGUAGE (EXAMPLE. en-us)		
SUBTITLE TITLE (EXAMPLE. English caption)		
FONT INFORMATION (EXAMPLE, http://www.font.com/download/arial.ttf)		
ISRC (EXAMPLE, ISRC FR-Z03-98-00212)		
PALETTE INFORMATION		
STREAM ID INFORMATION		
VOBS INDICATION INFORMATION (EXAMPLE, VMGM_VOBS)	VOB INDICATION INFORMATION(1)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_vmgm.txt)
VOBS INDICATION INFORMATION (EXAMPLE, VTSM_VOBS)	VOB INDICATION INFORMATION(1)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_vtsm.txt)
VOBS INDICATION INFORMATION (EXAMPLE, VTSTT_VOBS)	VOB INDICATION INFORMATION(1-9)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_tt1vob1.txt)
VOBS INDICATION INFORMATION (EXAMPLE, VTSTT_VOBS)	VOB INDICATION INFORMATION(10-49)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_tt1vob10.txt)
VOBS INDICATION INFORMATION (EXAMPLE, VTSTT_VOBS)	VOB INDICATION INFORMATION(50-100)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_tt1vob50.txt)

FIG. 14

SUBTITLE DATA

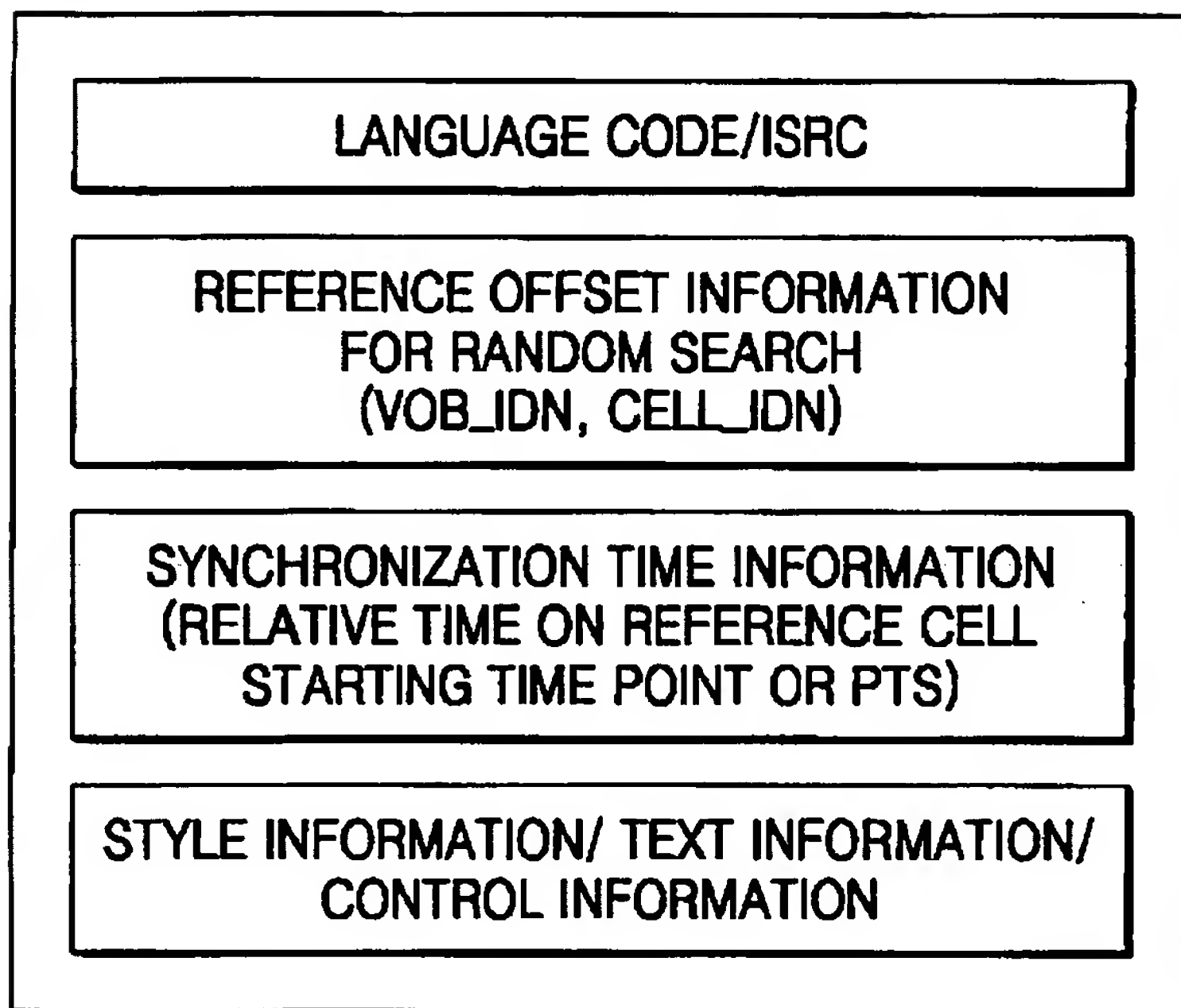


FIG. 15A

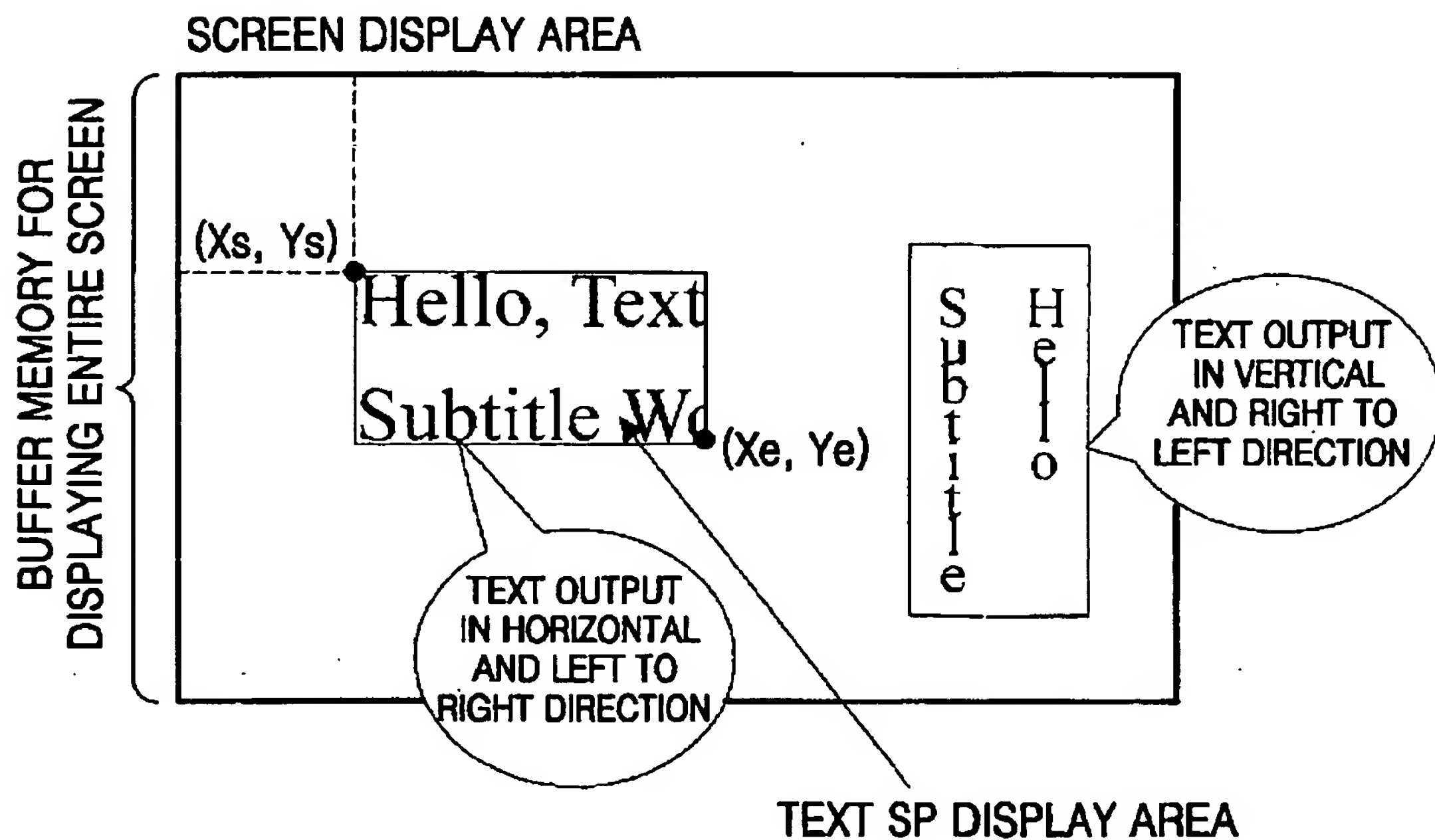


FIG. 15B

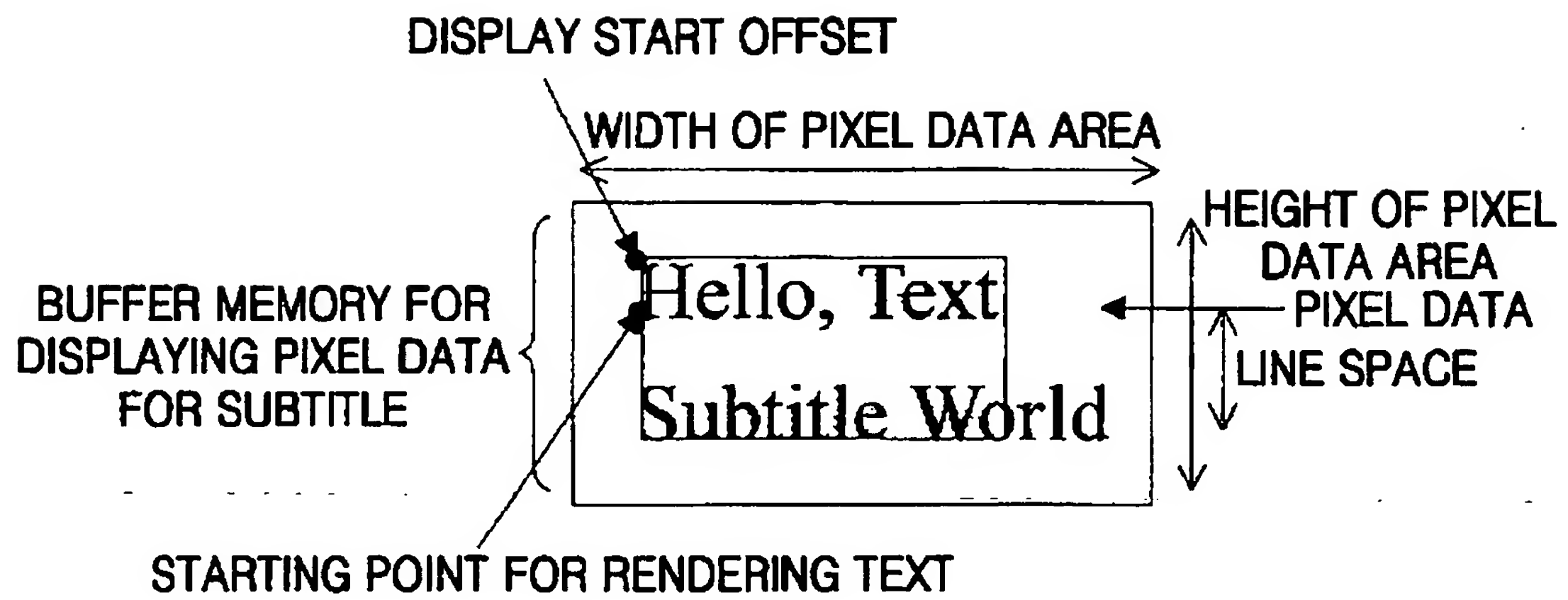


FIG. 16

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<sync-offset value="vob_idn=1-5,cell_idn=1,time=0" next="2000"/>
<text begin="0" end="4999" width="100" height="50" id="1000" color="0"
opaque="255" start="2000">
<font color="1" italic="1" size="20px">Dad, I can see<font color="2" bold="1"
>a movie on </font> Internet!</font></text>
<plxmap begin="3000" end="3500" id="1000" position="100,100,199,149"
start="0"/>
<plxmap begin="3501" end="4999" id="1000" position="100,100,199,149"
start="2500"/>
<text begin="5000" end="6999" width="100" height="50" id="1001" line-
height="30px" color="0" opaque="255" start="2000">
<font color="1" size="20px">Great!, my son!,<br>You can use?</font></text>
<plxmap begin="5500" end="6999" id="1001" position="100,100,199,149"
start="2500"/>

```

1600

TEXT/STYLE INFORMATION
(1602)

CONTROL INFORMATION
(1604)

TEXT/STYLE INFORMATION
(1606)

CONTROL INFORMATION
(1608)

FIG. 17

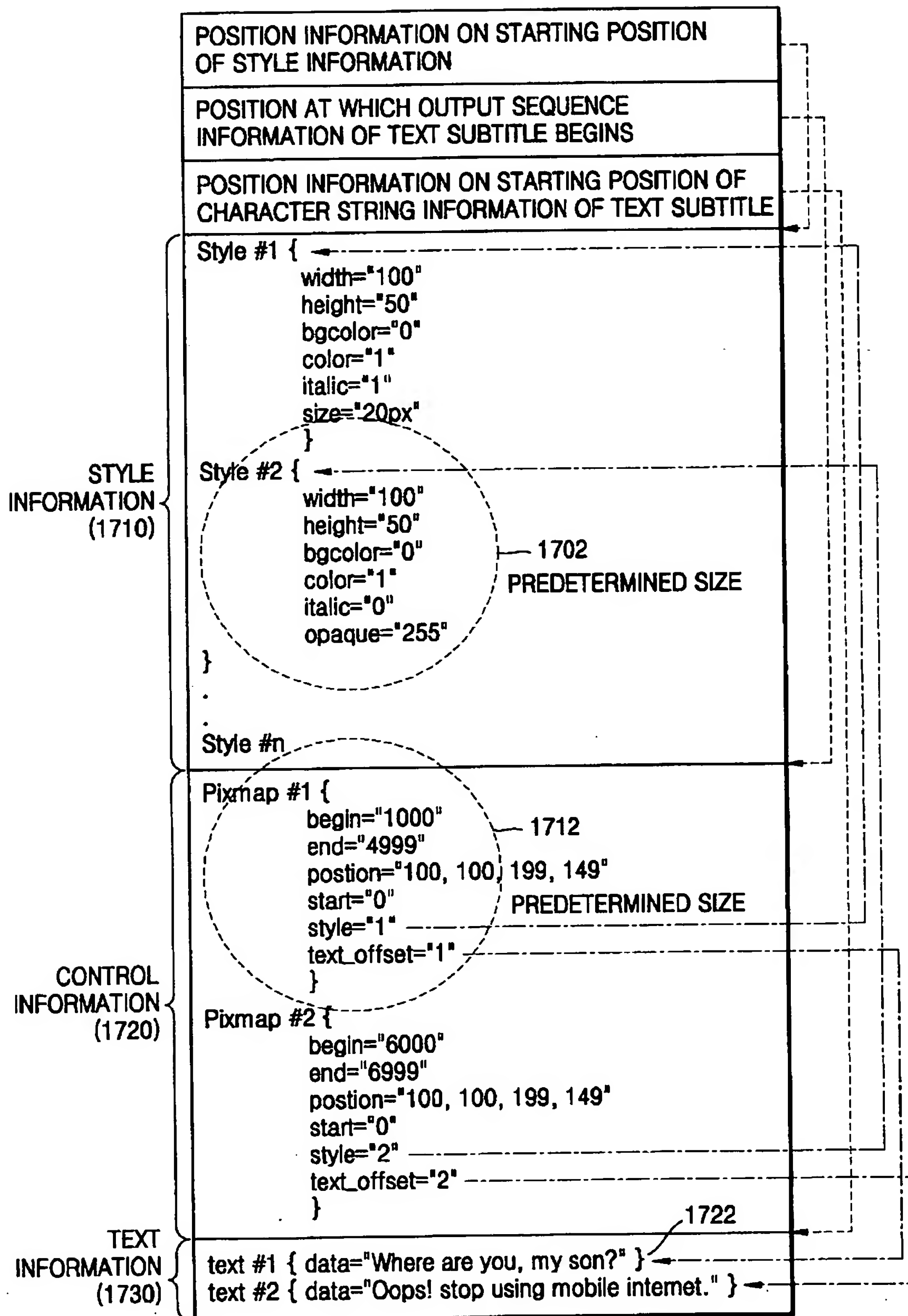


FIG. 18

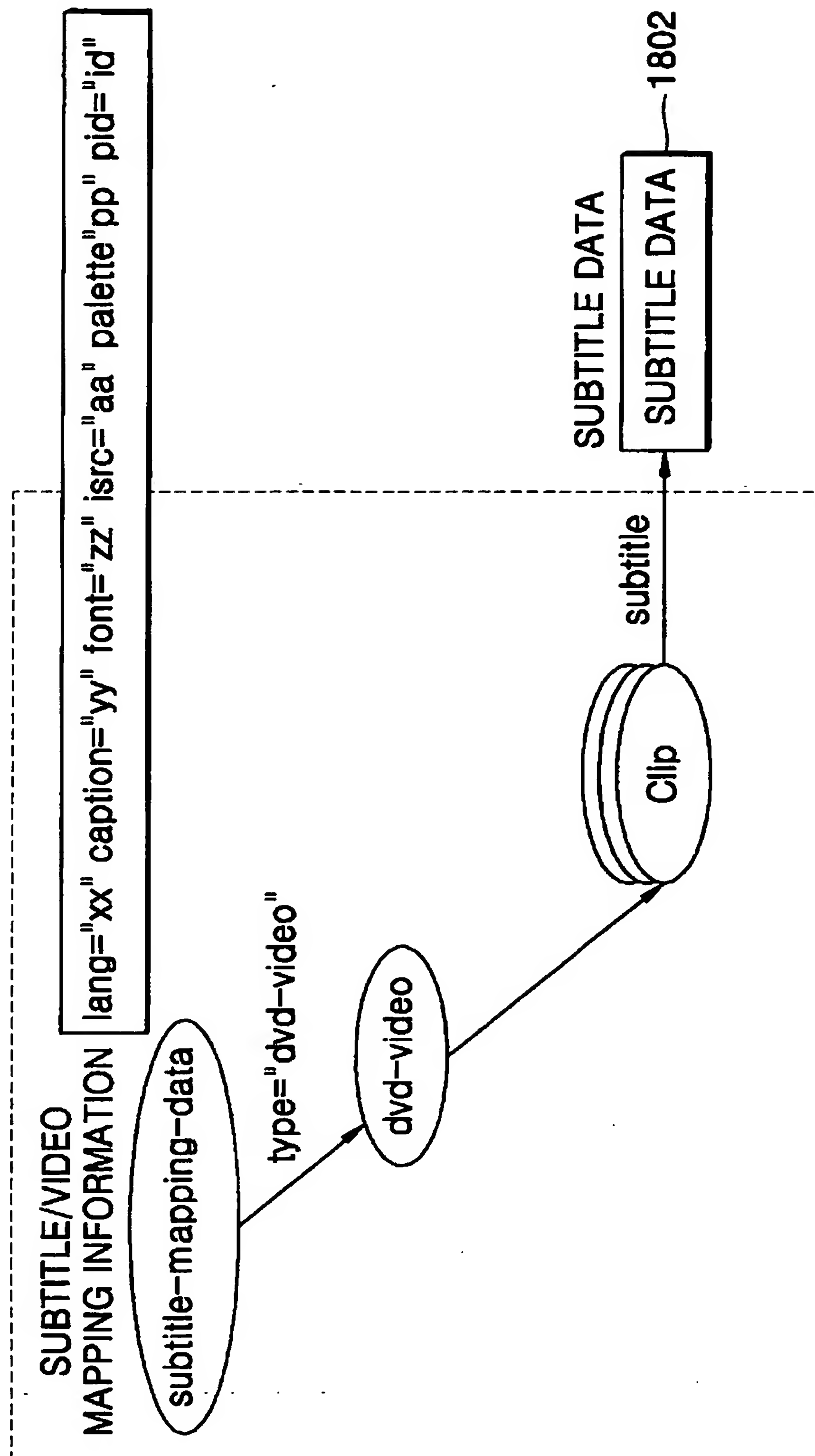


FIG. 19

```

<subtitle-mapping-data type="blu-ray-video" lang="en-us" caption="English caption">
  <blu-ray-video>
    font="http://www.font.com/download/arial.ttf" lsrc=" ISRC FR-Z03-98-00212" pld="32">
    <dvd-video>
    <subtitle clip_idn="0001.cpl" href="english_0001.text" />
    <subtitle clip_idn="0002.cpl" href="english_0002.text" />
    <subtitle clip_idn="0003.cpl" href="english_0003.text" />
  </blu-ray-video>
</subtitle-mapping-data>

```

1902

FIG. 20

LANGUAGE (EXAMPLE, en-us)	
SUBTITLE TITLE (EXAMPLE, English caption)	
FONT INFORMATION (EXAMPLE, http://www.font.com/download/arial.ttf)	
ISRC (EXAMPLE, ISRC FR-Z03-98-00212)	
PID INFORMATION	
CLIP INDICATION INFORMATION (0001.cpl)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_001.text)
CLIP INDICATION INFORMATION (0001.cpl)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_002.text)
CLIP INDICATION INFORMATION (0001.cpl)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_003.text)

2002

FIG. 21

SUBTITLE DATA

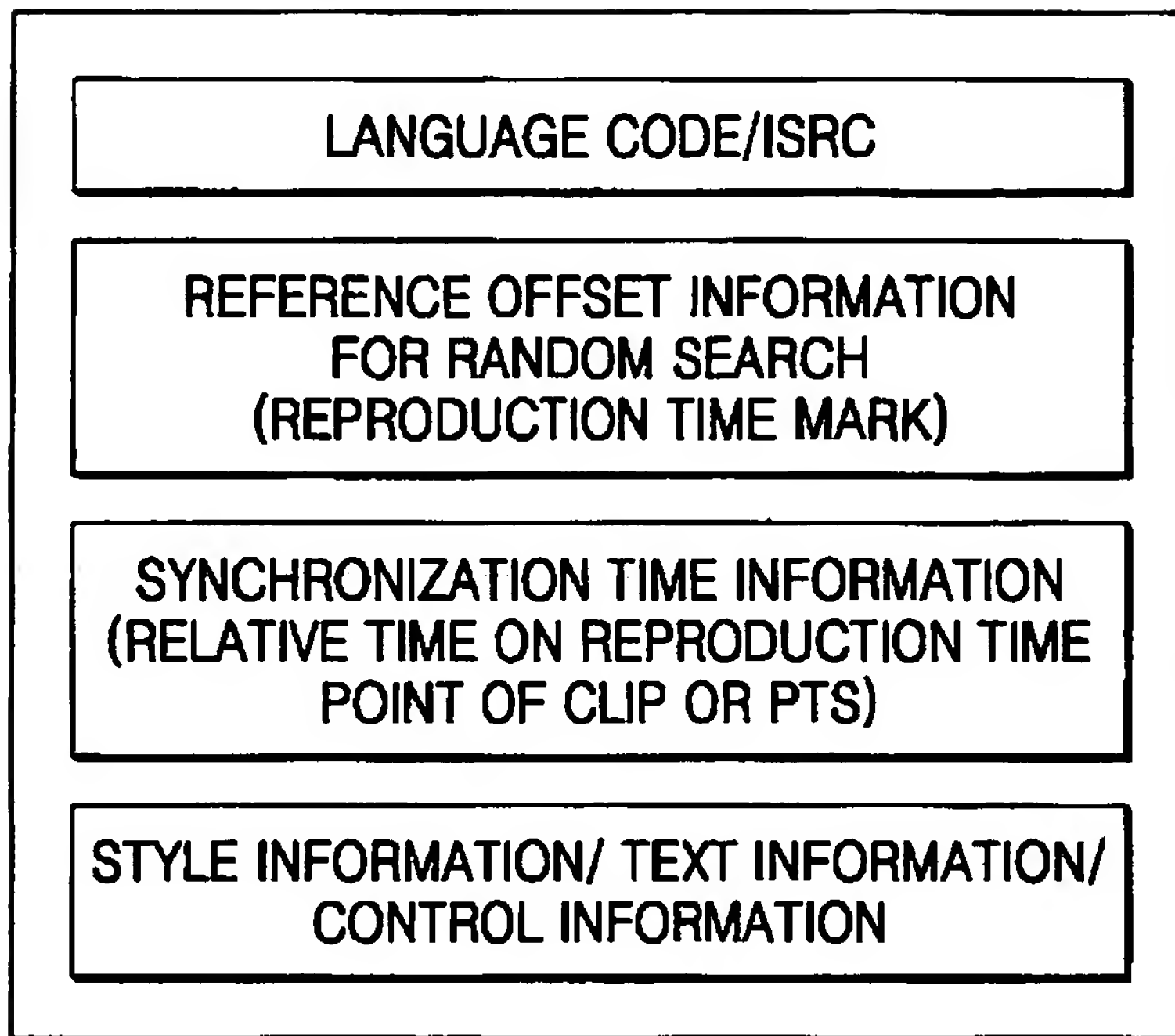


FIG. 22A

SCREEN DISPLAY AREA

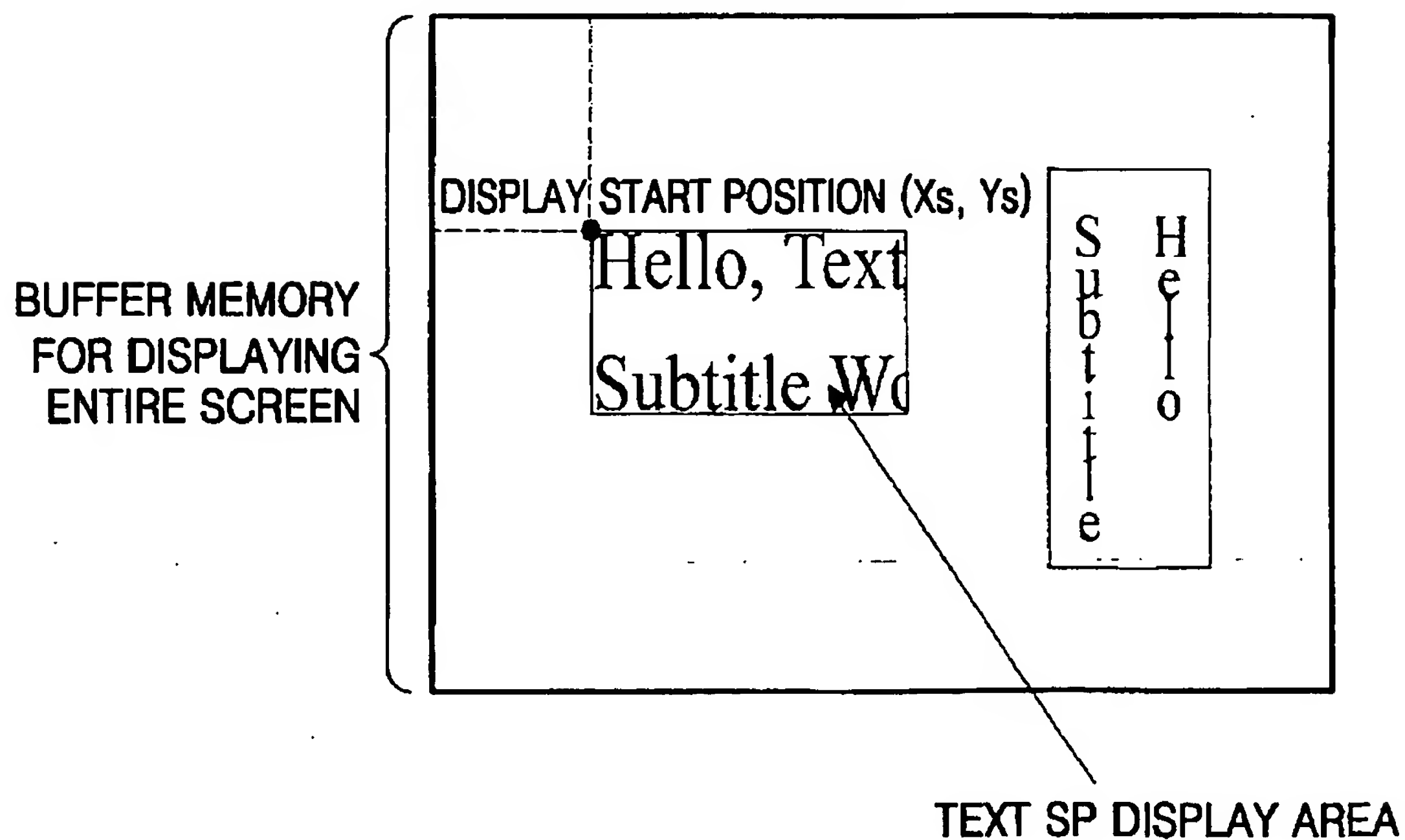


FIG. 22B

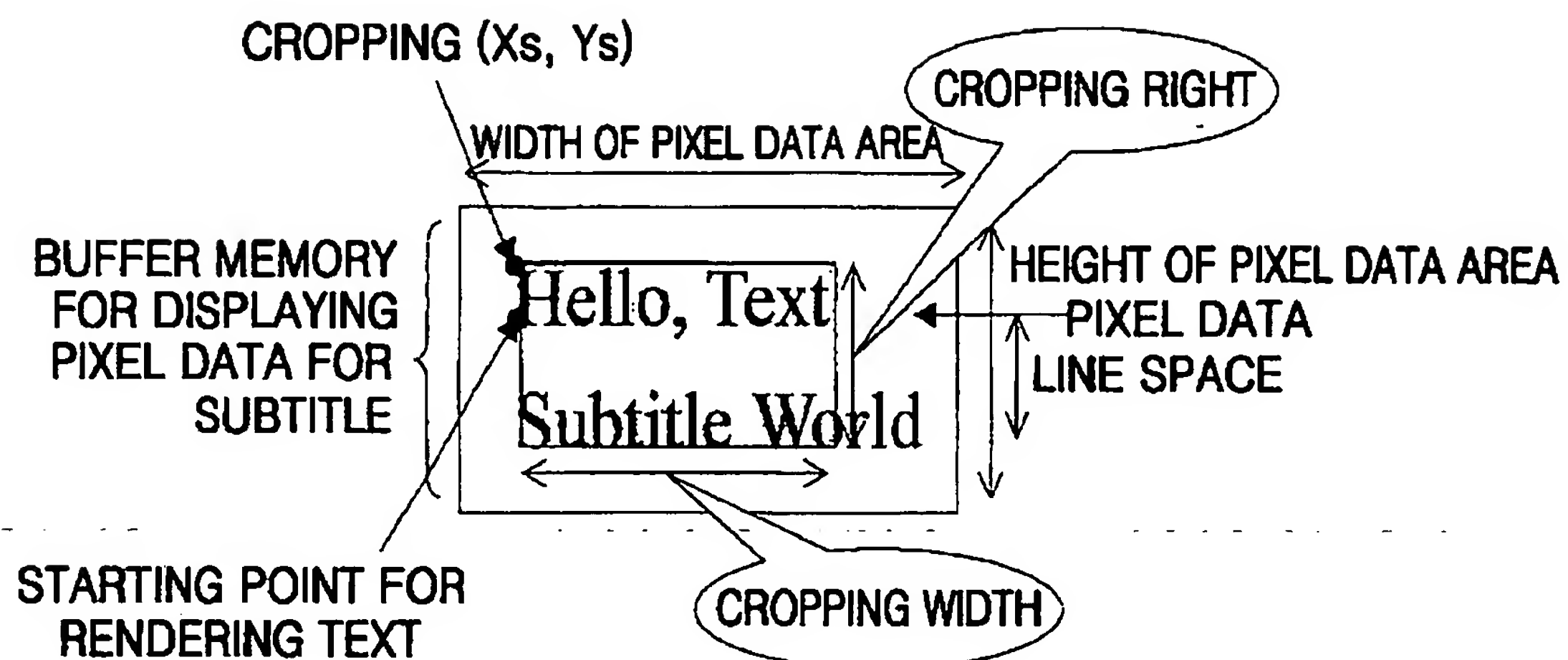


FIG. 23

```

<subtle-data src FR-Z03-98-00212" lang="eb-us">
<sync-offset value="0" next="20000"/>
<palette id="1">
  <color index="0" yuv="296ef0ff"/>
  <color index="1" yuv="108080ff"/>
  <color index="2" yuv="3b8080ff"/>
  <color index="3" yuv="668080ff"/>
  <color index="4" yuv="918080ff"/>
  <color index="5" yuv="bc8080ff"/>
</palette>
<text begin="0" end="4999" width="100" height="5" id="1000" color="0"
start="2000">
<font color="1" italic="1" size="20px">Dad, I can see<font color="2" bold="1"
>a movie on </font> Internet </font></text>
<composition begin="3000" end="4999" palette="1">
<pixmap id="1000" position="100.100" cropping="0.0.100.50"/>
<pixmap id="1000" position="300.300" cropping="0.25.100.25"/>
</composition>
<text begin="5000" end="6999" width="100" height="50" id="1001" line-
height="30px" color="0" start="2000">
<font color="1" size="20px">Great! my son!<br>You can use?</font></text>
<pixmap position="100.100" cropping="0.0.100.50"/>
</composition>
</subtle-data>

```

TEXT/STYLE INFORMATION
(2302)

CONTROL INFORMATION
(2304)

TEXT/STYLE INFORMATION
(2306)

CONTROL INFORMATION
(2308)

FIG. 24

